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<110> Mirkin, Chad A.
　　　Letsinger, Robert L.
　　　Mucic, Robert C.
　　　Storhoff, James J.
　　　Elghanian, Robert
　　　Taton, Thomas A.

<120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
　　　AND USES THEREFOR

<130> 4149-1-1-1-1

<140> Not Yet Assigned
<141> 2000-06-26

<150> 60/031,809
<151> 1996-07-29

<150> PCT/US97/12783
<151> 1997-07-21

<150> 09/240,755
<151> 1999-01-29

<150> 09/344,667
<151> 1999-06-25

<150> 60/200,161
<151> 2000-04-26

<160> 64

<170> PatentIn Ver. 2.1

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<400> 3
ccttgagatt tccctc                                                 16


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<400> 6
aagttgcgct ttacggctaa tggcga                                 26


<210> 7
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<210> 9
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<400> 10
aaacgactct agcgcgtata gttgccat                                          28


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cctatcgacc atgct                                                        15
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<400> 15
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<210> 16
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<400> 16
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<400> 17
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cgcattcagg at   12

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<210> 26
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<400> 27
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<210> 28
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<400> 28
taggacttac gc                                                         12


<210> 29
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<212> DNA
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<400> 29
tacgagttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg                  48


<210> 30
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<220>
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<400> 30
tgcatgattg cctcgtctta acgg                                            24


<210> 31
<211> 72
<212> DNA
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<220>
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atcctgaatg cg   72

<210> 32
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<400> 33
tctcaactcg ta   12

<210> 34
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tacgagttga gaatcctgaa tgcg   24

<210> 35

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<400> 35
cgcattcagg at                                                              12


<210> 36
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<400> 36
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<210> 37
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<400> 37
taacaataat ccctc                                                           15


<210> 38
<211> 15
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<400> 38
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<210> 39
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<400> 39
tgagcctcct taactactga ctcatccgcc   30

<210> 40
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<400> 40
tgttgacgaa ttaattactt ctcta   25

<210> 41
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<400> 41
tataaccctg gataatattt ttcttat   27

<210> 42
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<400> 42
aagcccttca gtatcttcaa tttctacaa   29

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<400> 43
tctcaactcg taaaaaaaaa aa   22

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<400> 44
tacgagttga gaatcctgaa tgcg   24

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<400> 45
aaaaaaaaaa cgcattcagg at   22

<210> 46
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<210> 47
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<400> 47
aaaaaaaaaa cgcattcagg at                                                   22


<210> 48
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<212> DNA
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<400> 48
tacgagttga gaatcctgaa tgcg                                                 24


<210> 49
<211> 24
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<210> 51
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<400> 52
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<400> 53.
atcctgaatg cg   12

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aaaaaaaaaa aaaaaaaaaa   20

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<400> 56
ggattattgt taattattga taaggat   27

<210> 57
<211> 12
<212> DNA
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<400> 57
taacaatnat cc   12

<210> 58
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<400> 58
atccttatca atatt   15

<210> 59
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<210> 61
<211> 48
<212> DNA
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<400> 61
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<211> 72
<212> DNA
<213> Artificial Sequence

<220>
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agagttgagc at   72

<210> 63
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<400> 63
tgcatgattg cctcgtctta acgg   24

<210> 64
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<400> 64
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